

WATER RESOURCES ENGINEER

DISTINGUISHING FEATURES

The fundamental reason the Water Resources Engineer position exists is to perform technical, professional level water and wastewater engineering duties and review and analyze the design and construction of water, wastewater, and reclaimed water projects for public works and private development projects in the Water Resources Department. This position has no supervisory responsibility. This position reports directly to the General Manager, Water Resources.

ESSENTIAL FUNCTIONS

Oversees the design and construction of the Reclaimed Water Distribution System (RWDS) upgrades and modifications.

Provides technical advice on zoning and use permit stipulations, design problems, City ordinances and policies, and the development review process to developers, engineers, and other City divisions.

Coordinates the projects necessary to maintain, upgrade and improve existing water, wastewater and reclaimed water facilities.

Prepares reports that analyze and recommend improvements in the operation of the water, wastewater and reclaimed water facilities.

Designs small improvement projects for existing infrastructure for construction by city crews and/or bidding to private contractors.

Reviews private development master plans, plans and specifications.

Attendance and punctuality are essential functions of this position.

MINIMUM QUALIFICATIONS

Knowledge, Skills and Abilities

Knowledge of:

Principles, practices, analyses and regulations of civil engineering as applied to municipal facilities in the specific areas of water and wastewater project design, review and field engineering.

The design and operation of water and wastewater treatment plants.

Technical knowledge of computers and civil engineering related computer programs.

Ability to:

Coordinate and interact as a technical liaison with other City departments.

Produce written documents with clearly organized thoughts using proper grammar.

Enter data or information into a terminal, PC or other keyboard device.

Provide technical input to a graphic information system.

Operate a variety of equipment to enter data or information into a computer terminal, PC or other keyboard device requiring continuous and repetitive arm, hand and eye movement.

Establish and maintain effective working relationships with water and sewer users, other professionals and government jurisdictions, co-workers, and the general public.
Communicate effectively both verbally and in writing.

Education & Experience:

Requires a Bachelor's degree in Civil or Sanitary Engineering and a minimum of two (2) years of professional experience in water, wastewater and reclaimed water projects.

Experience with municipal and private development water and wastewater projects with the ability to review and guide the development of plans and specifications is desirable.

Registration in the State of Arizona with proficiency in the Civil Engineering field is preferred.

A valid Driver's License with no outstanding citations for 39 months is required for all driving positions.

FLSA STATUS: Exempt

HR Ordinance Status: Unclassified